

FIG. 1

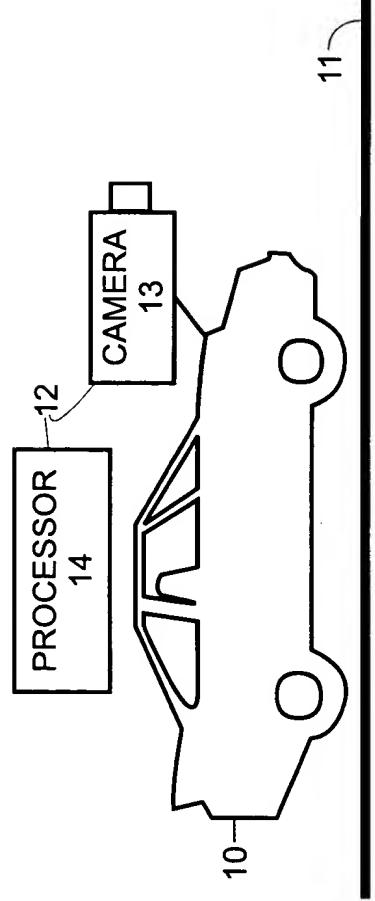


FIG. 3

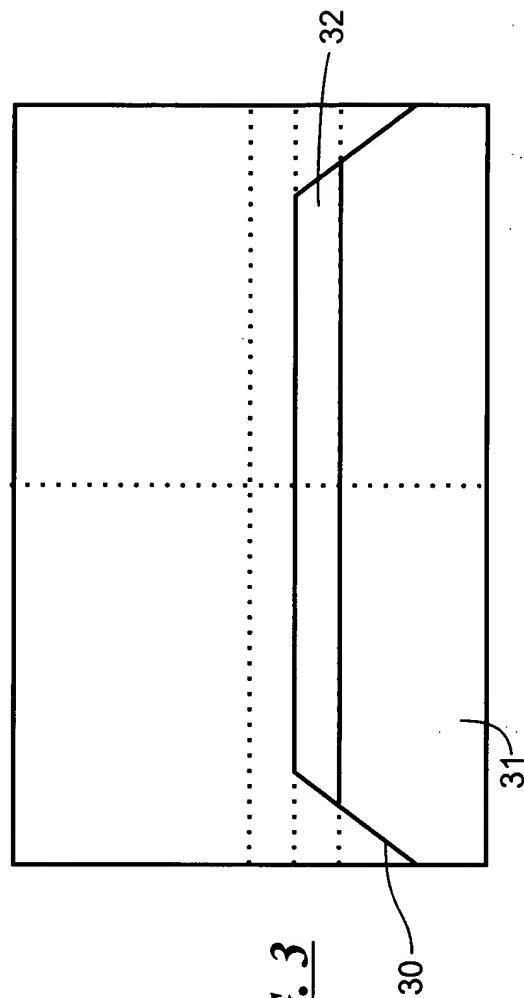
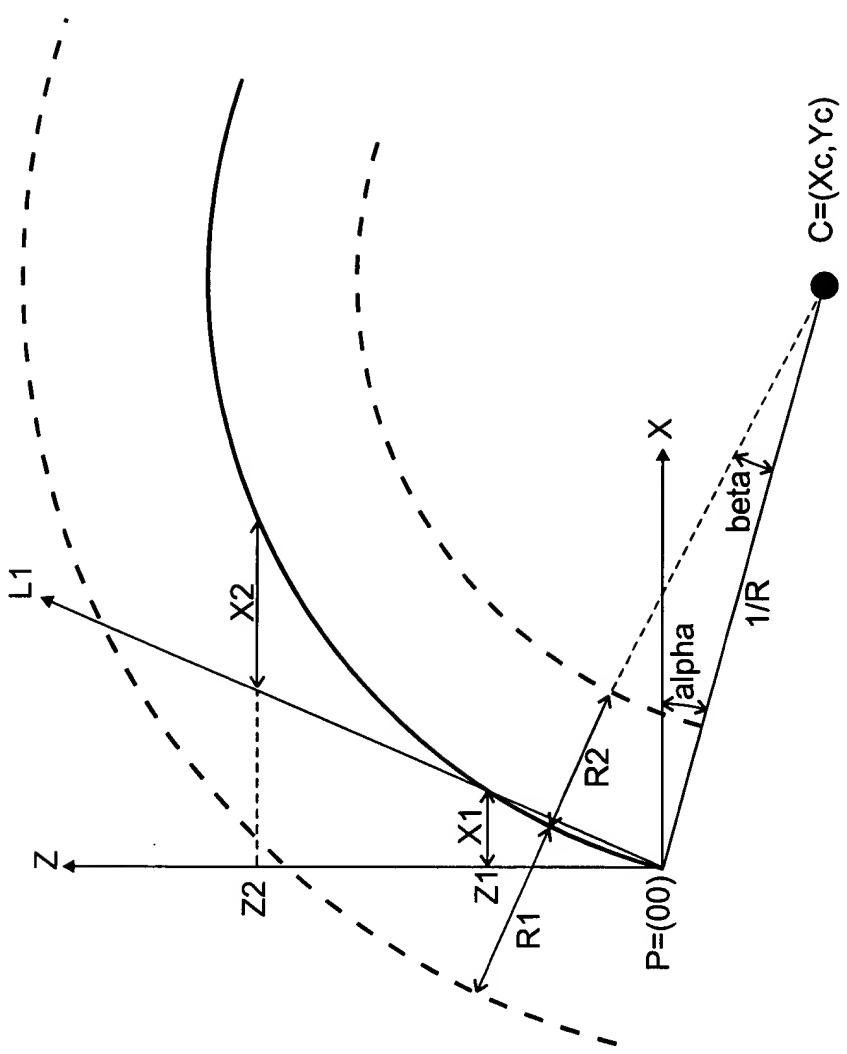


FIG. 2



200. PROCESSOR 14 RECEIVES AN IMAGE FROM THE CAMERA 14

201. PROCESSOR 14 SELECTS ONE, "i-TH," OF A PLURALITY OF THE SELECTED VALUES FOR PARAMETER X1

202. PROCESSOR 14, USING THE SELECTED VALUE FOR PARAMETER X1 AND PREDETERMINED VALUES FOR PARAMETERS X2 AND R, GENERATES AN "i-TH" WARPED IMAGE, IN WHICH THE WARPED IMAGE IS WARPED TO THE R, beta SPACE

B

203. PROCESSOR 14 GENERATES A DERIVATIVE WARPED IMAGE ALONG THE HORIZONTAL ("X") COORDINATE OF THE WARPED IMAGE, THE DERIVATIVE REPRESENTING THE RATE OF CHANGE OF IMAGE BRIGHTNESS AS A FUNCTION OF THE HORIZONTAL COORDINATE

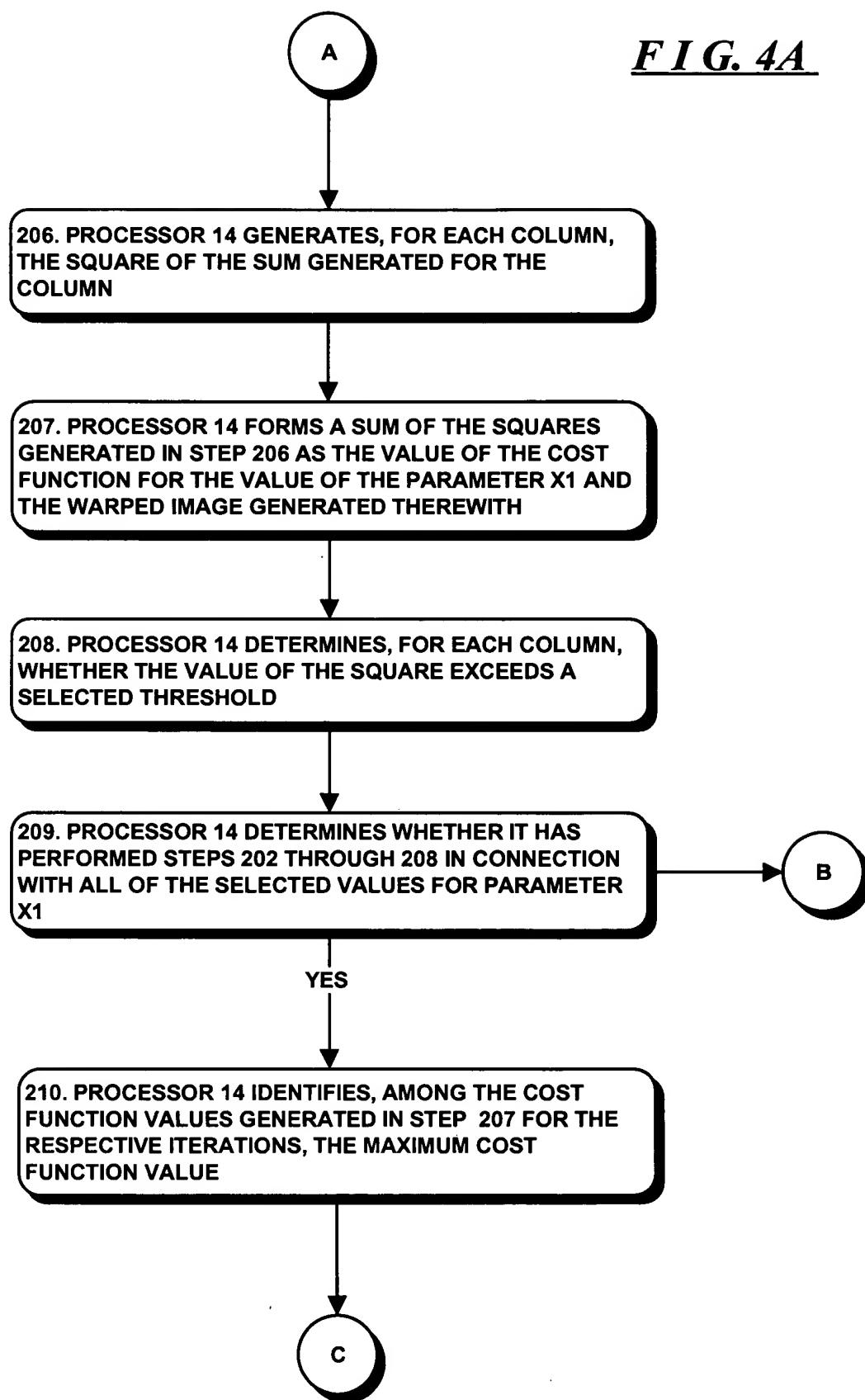
204. PROCESSOR 14 APPLIES A NON-LINEAR FUNCTION TO THE DERIVATIVE WARPED IMAGE TO GENERATE A NORMALIZED DERIVATIVE WARPED IMAGE

205. PROCESSOR 14, FOR EACH COLUMN OF PIXELS IN THE NORMALIZED DERIVATIVE WARPED IMAGE GENERATES A SUM OF THE PIXEL VALUES OF THE PIXELS IN THE RESPECTIVE COLUMN

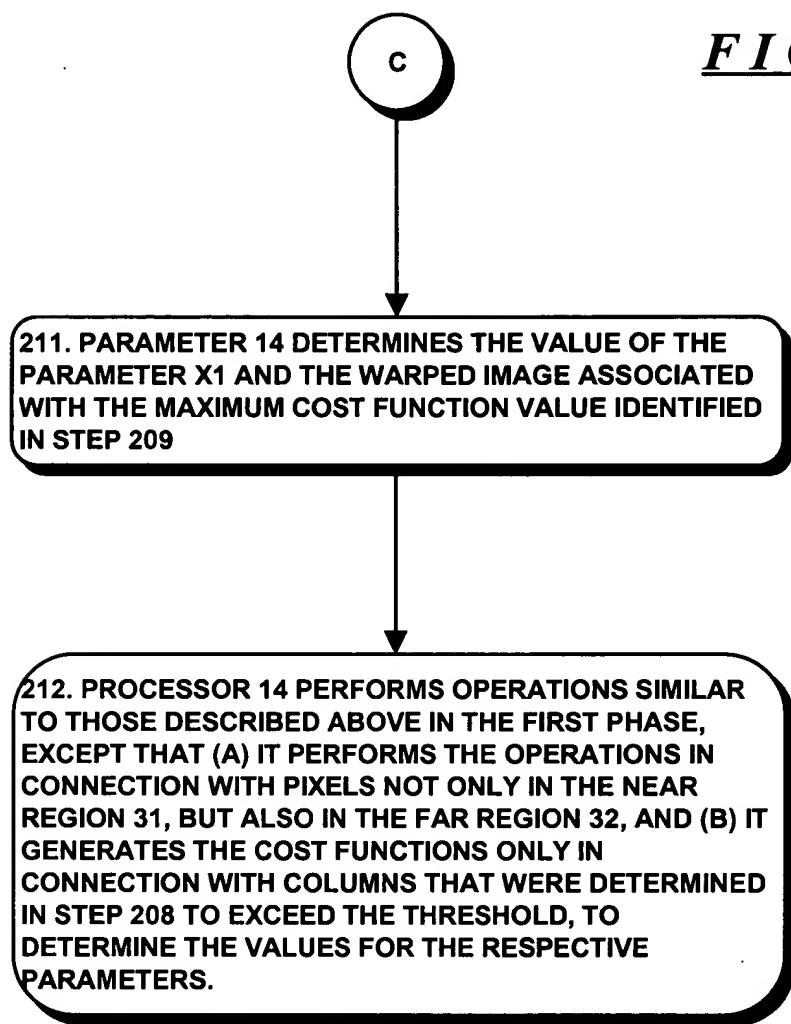
A

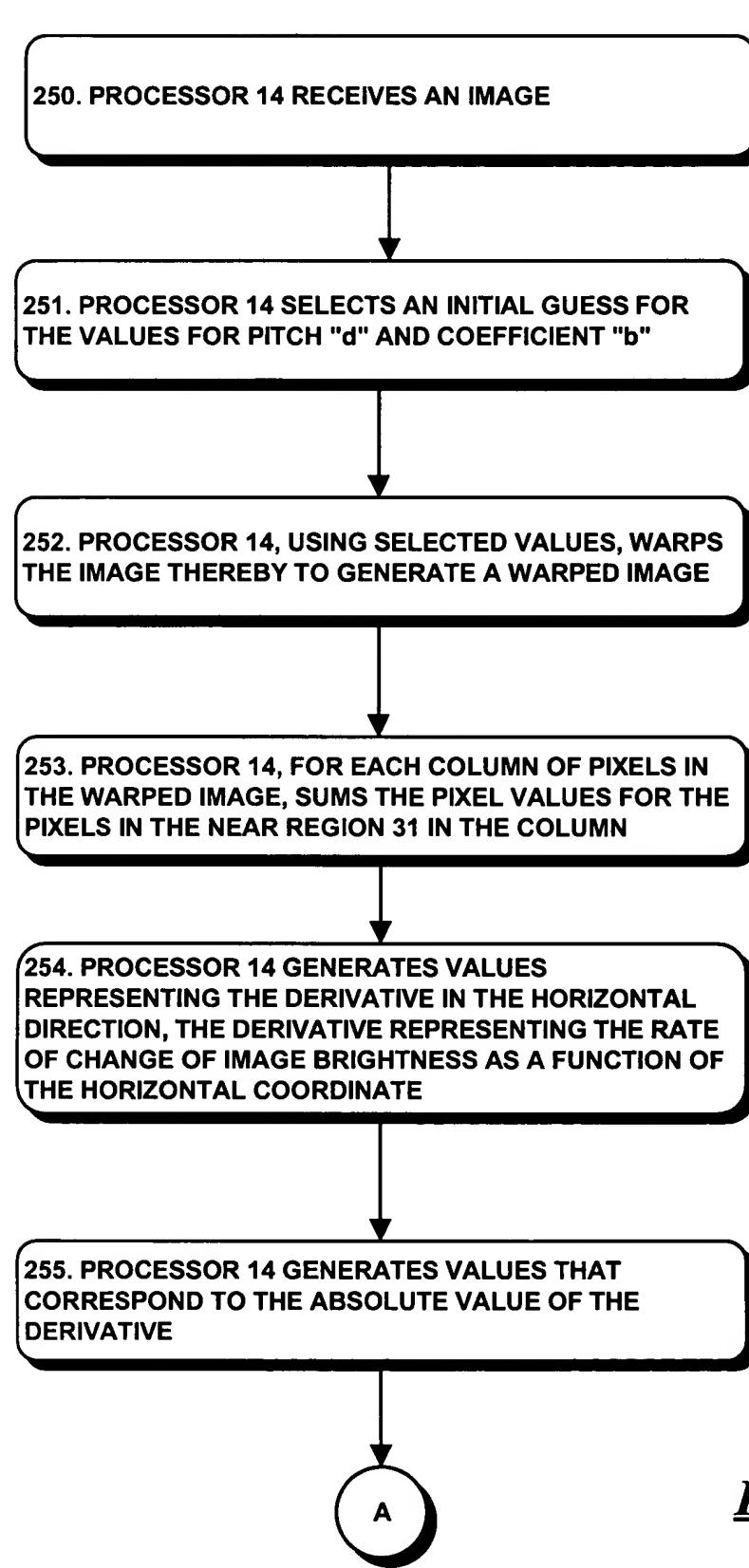
FIG. 4

FIG. 4A



**FIG. 4B**





**FIG. 5**

FIG. 5A

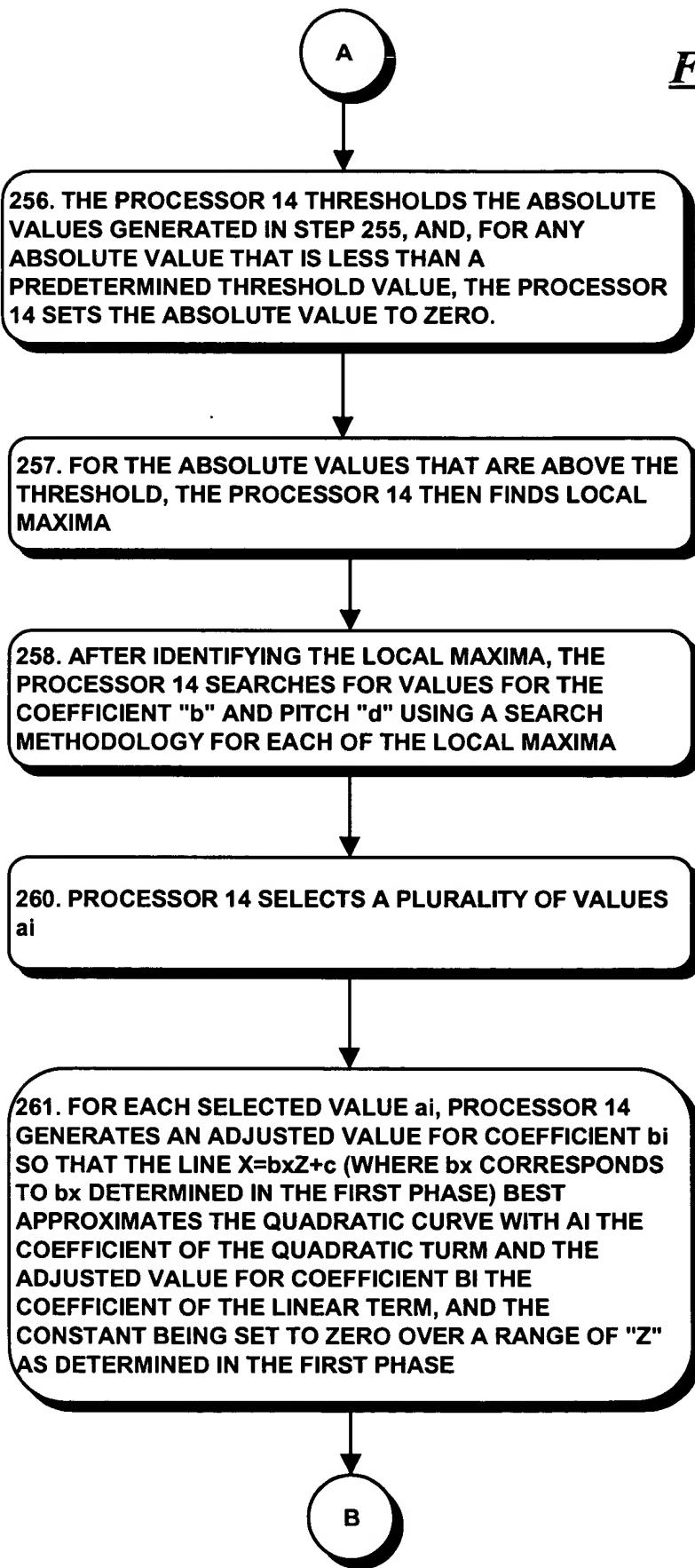


FIG. 5B

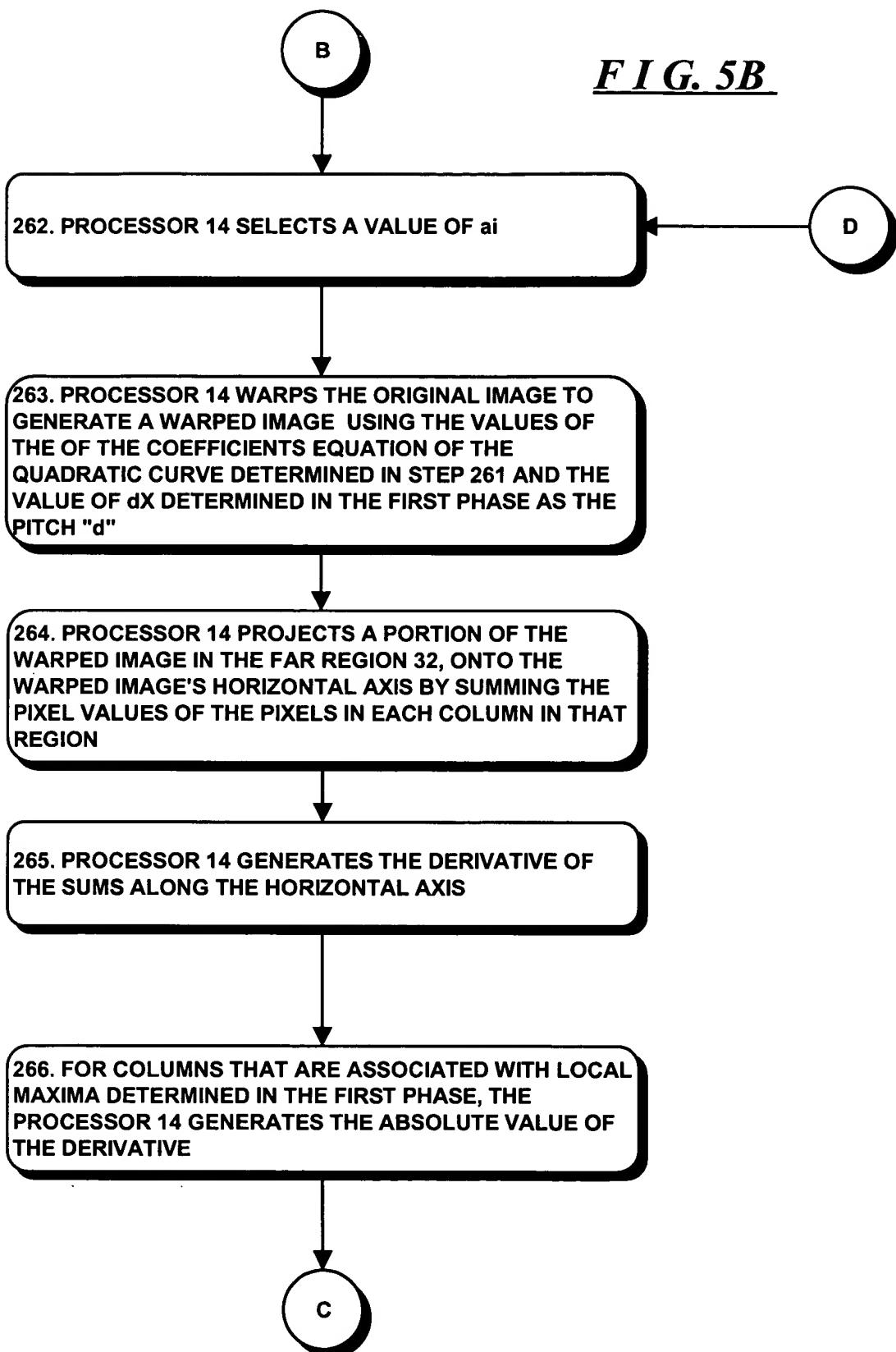


FIG. 5C

